19J6

MEDIUM-MU TWIN TRIODE

MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage	18.9	ac or dc volts
Current	0.15	amp

Direct Interelectrode Capacitances (Each unit, approx.):[o]

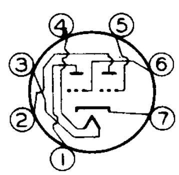
Grid to Plate	1.5	μμf
Grid to Cathode	2.0	μμf
Plate to Cathode	0.4	μμf

[o] With no external shield.

Mechanical:

Mounting Position	Any
Maximum Overall Length	2-1/8"
Maximum Seated Length	1-7/8"
Length, Base Seat to Bulb Top (excluding tip)	1-1/2" ± 3/32"
Maximum Diameter	3/4"
Bulb	T-5-1/2
Base	Small-Button Miniature 7-Pin
Basing Designation for BOTTOM VIEW	7BF

Pin 1 - Plate of Triode No.2
Pin 2 - Plate of Triode No.1
Pin 3 - Heater
Pin 4 - Heater



Pin 5 - Grid of Triode No.1
Pin 6 - Grid of Triode No.2
Pin 7 - Cathode

AMPLIFIER - Class A_1

Values are for each unit

Maximum Ratings, *Design-Center Values*:

PLATE VOLTAGE	300 max.	volts
PLATE DISSIPATION	1.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	90 max.	volts
Heater positive with respect to cathode	90 max.	volts

Characteristics:

Plate Voltage	100	volts
Cathode-Bias Resistor▲	50♦	ohms
Amplification Factor	38	
Plate Resistance	7100	ohms
Transconductance	5300	μmhos
Plate Current	8.5	ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:

For cathode-bias operation	0.5 max.	megohm

▲,♦: See next page.

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MIXER SERVICE

Values are for each unit

Maximum Ratings, ***Design-Center Values*:**

PLATE VOLTAGE	300 max.	volts
PLATE DISSIPATION.	1.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode. .	90 max.	volts
Heater negative with respect to cathode. .	90 max.	volts

Characteristics:

Plate Voltage.	150 . .	volts
Cathode-Bias Resistor▲	810† . .	ohms
Oscillator Peak Voltage.	3 . .	volts
Plate Resistance	10200 . .	ohms
Conversion Transconductance.	1900 . .	μmhos
Short-Circuit Input Conductance at 100 Mc	96 . .	μmhos
Plate Current.	4.8 . .	ma

Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:		
For cathode-bias operation . ♦	0.5 max.	megohm

▲ Operation with fixed bias is not recommended.

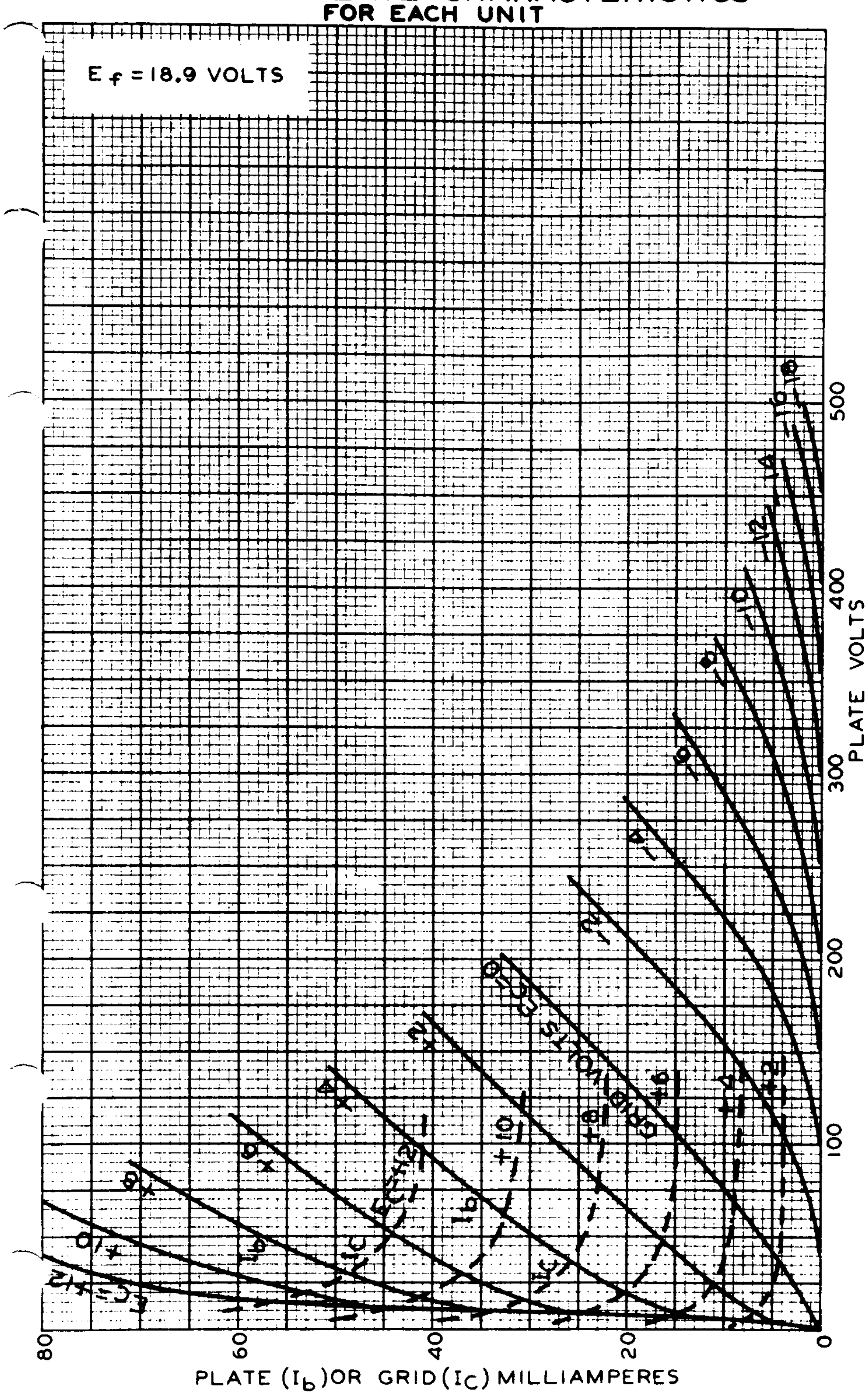
♦ Value is for both units operating at the specified conditions.

† For one unit, with other unit not operating. When both units are operating, the value of cathode-bias resistor is determined by the total cathode current of both units.

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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AVERAGE PLATE CHARACTERISTICS
FOR EACH UNIT



AUG. 18, 1948

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RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

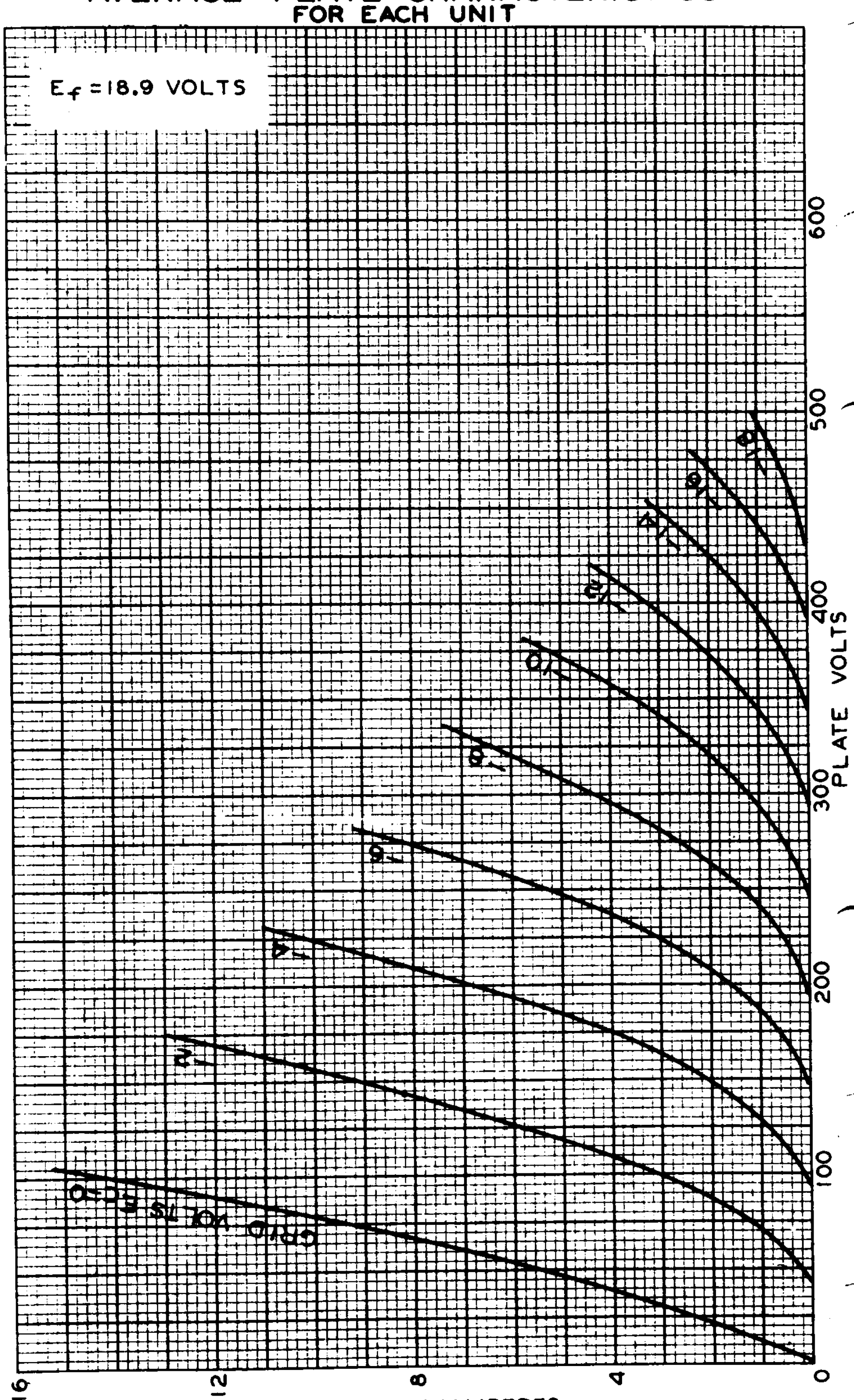
92CM-7061

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RCA

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AVERAGE PLATE CHARACTERISTICS
FOR EACH UNIT



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92CM-7060